

ABSTRACT OF THE DISCLOSURE

A plastic object having a part whose structure has been modified by irradiation with a laser light having an ultrashort pulse duration of  $10^{-12}$  second or shorter. The plastic object has a structurally modified part whose structure has been modified by irradiation with a laser light having a pulse duration of  $10^{-12}$  second or shorter. The laser light having a pulse duration of  $10^{-12}$  second or shorter may have an irradiation energy of 500 mW or lower. The plastic object may have the structurally modified part in an inner portion thereof. The structurally modified part preferably extends in a direction parallel or perpendicular to the direction of the laser light irradiation.

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